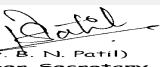


**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for EWS Mass Housing Scheme at S. No. 157/1, Gothehar, Tal-Thane, Maharashtra (Phase I)**General Information:**

1.Name of Project	Proposed EWS Mass Housing Scheme at S. No. 157/1, Gothehar, Tal-Thane, Maharashtra (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Kokan Housing and Area Development Board (MHADA)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S. No. 157/1
9.Taluka	Thane
10.Village	Gothehar
11.Area of the project	other area
12.IOD/IOA/Concession/Plan Approval Number	Not received yet
	IOD/IOA/Concession/Plan Approval Number: Not received yet
	Approved Built-up Area: 69318.72
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	73325 sq. m.
16.Deductions	13931 sq.m.
17.Net Plot area	59393 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 69318.71 sq. q
	b) Non FSI area (sq. m.): 10365.45 sq. m.
	c) Total BUA area (sq. m.): 79684.17 sq. m.
19.Total ground coverage (m2)	6101.37 sq. m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	8.32
21.Estimated cost of the project	1696300550

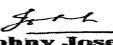
**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	9	G + 15	45.8
23.Number of tenants and shops	1719 tenants and 24 shops		
24.Number of expected residents / users	8595		
25.Tenant density per hectare	240		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9m		

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 1 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	13 m
29. Existing structure (s) if any	NA
30. Details of the demolition with disposal (If applicable)	NA

### 31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	774.51 KLD
	Recycled water - Flushing (CMD):	388 KLD
	Recycled water - Gardening (CMD):	35 KLD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1196.94 KLD
	Fire fighting - Underground water tank (CMD):	150 cubic meter
	Fire fighting - Overhead water tank (CMD):	25 cubic meter
	Excess treated water	507
Wet season:	Source of water	MIDC
	Fresh water (CMD):	774.51 KLD
	Recycled water - Flushing (CMD):	388 KLD
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1162.48 KLD
	Fire fighting - Underground water tank (CMD):	150 cubic meter
	Fire fighting - Overhead water tank (CMD):	25 cubic meter
	Excess treated water	542
Details of Swimming pool (If any)	NA	

### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		plan will be provided						
	<b>Size and no of RWH tank(s) and Quantity:</b>		plan will be provided						
	<b>Location of the RWH tank(s):</b>		Ground						
	<b>Quantity of recharge pits:</b>		plan will be provided						
	<b>Size of recharge pits :</b>		plan will be provided						
	<b>Budgetary allocation (Capital cost) :</b>		plan will be provided						
	<b>Budgetary allocation (O &amp; M cost) :</b>		plan will be provided						
	<b>Details of UGT tanks if any :</b>		plan will be provided						
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>		proper storm water plan will be provided						
	<b>Quantity of storm water:</b>		proper storm water plan will be provided						
	<b>Size of SWD:</b>		--						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		930						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		1 STP of 950 KLD capacity						
	<b>Location &amp; area of the STP:</b>		Location- Ground, area- 1000 sq. m.						
	<b>Budgetary allocation (Capital cost):</b>		120 lakh						
	<b>Budgetary allocation (O &amp; M cost):</b>		10 lakh						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		includes preconstruction debris and excavated material						
	<b>Disposal of the construction waste debris:</b>		Waste includes debris materials (rubble & soil). Part of the soil will be used for leveling if suitable and other waste will be disposed off with authorized contractor as per rules and debris management.						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1728.6 kg/day, Recyclable: Paper, bottles, glass, note books, safety pins, caps of mineral water bottles etc						
	<b>Wet waste:</b>		2583.3 kg/day, Organic: Tea Leaves, Eggshells, Old Food and Vegetables peels.						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		47 kg/day						
	<b>Others if any:</b>		NA						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be handed over to authorized facility for recycling
	<b>Wet waste:</b>	wet waste will be process in the Mechanical Composter and manure will be used for gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	The sludge generated will be use as manure.
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	120 sq m
	<b>Area for machinery:</b>	50 sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	3000000
	<b>O &amp; M cost:</b>	600000

### 37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	6891.90 sq.m.
	<b>No of trees to be cut :</b>	no
	<b>Number of trees to be planted :</b>	916
	<b>List of proposed native trees :</b>	Pongamia pinnata, Mimusops elengi , Azadiracta indica ,Magnifera indica
	<b>Timeline for completion of plantation :</b>	1 year from grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	20	Shady tree.
2	Mimusops elengi	Neem	20	Large tree, good for roadside
3	Magnifera indica	Mango	30	Fruit bearing tree, Bird attracting
4	Cassia fistula	Bhava	50	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
5	Anthocephalus cadamba	Kadam	20	Shady, large tree, ball shaped flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 kW
	<b>DG set as Power back-up during construction phase</b>	380 kv
	<b>During Operation phase (Connected load):</b>	5146.3 kW
	<b>During Operation phase (Demand load):</b>	3087.8 kW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	2 DG sets of 120 kva capacity
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48.Energy saving by non-conventional method:


100 stand alone solar lights

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	--	--

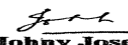
#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
--------	-----------------------------------	--------------------------

  
 (Dr. B. N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

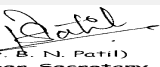
**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 5 of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph (Chairman SEAC-II)**

Not applicable	Not applicable		Not applicable				
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	30 lakh					
	<b>O &amp; M cost:</b>	3 Lakh					
<b>51.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>				
1	Site Safety	Barricading & Dust Suppression etc	4				
2	Environmental Monitoring	Air, Noise, Water, Biological etc	4				
3	Sanitary Facility and Waste Water Management	--	3				
<b>b) Operation Phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>			
1	Environmental Monitoring	Air, Noise, Water, Biological etc	--	3			
2	Rain Water Harvesting System	overhead tanks, recharge pits etc	12	0.75			
3	Solid Waste Management	Collection and disposal of solid waste	10	4			
4	Green Belt Development	Plantation	12	4			
5	Occupational Health & Safety Training	supply of safety items, sinages etc	--	3			
6	Cost for DMP (capital and recurring)	Disaster management	30	5			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
<b>Nos. of the junction to the main road &amp; design of confluence:</b>			separate exit and entry will be provided				

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	1729
	Number of 4-Wheelers as approved by competent authority:	00
	Public Transport:	00
	Width of all Internal roads (m):	15 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP, Mr. Pradeep Sawant &amp; Architect Mr. Nitin Pradhan were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April 2017. PP informed that project is not affected by CRZ regulations. Further, PP stated that the proposal is for EWS Mass Housing Scheme at S. N 157/1 at Gotheagar, district Thane with total BUA (FSI + Non FSI) of 79,684.17 sq.m. which is the total potential of the project. It is noted that Non FSI area stated in Form 1, 1A is 10365.45 sq.m and Total Built up Area is 79684.17 sq.m while in presentation it was mentioned as 10665.45 sq.m and 79984.17sq.m respectively. However, it was also observed that PP has not submitted detailed project plan and reservation as per the DP.</p> <p>The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 73325 m<sup>2</sup> &amp; total construction area of the project is 79,684.17m<sup>2</sup>. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A &amp; presentation submitted are taken on the record.</p>		
<b>DECISION OF SEAC</b>		

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20,  
 2017**

**Page 7 of  
 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**








**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for EWS Mass Housing Scheme at S.No. 13 Bhandarli, Tal-Thane (Phase -I)**General Information:**

1.Name of Project	EWS Mass Housing Scheme at S.No. 13 Bhandarli, Tal-Thane (Phase -I)
2.Type of institution	Government
3.Name of Project Proponent	Kokan Housing and Area Development Board (MHADA)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	S.No. 13 Bhandarli, Tal-Thane
9.Taluka	Thane
10.Village	Bhandarli
11.Area of the project	other area
12.IOD/IOA/Concession/Plan Approval Number	Not received yet IOD/IOA/Concession/Plan Approval Number: Not received yet Approved Built-up Area: 81837.5
13.Note on the initiated work (If applicable)	NA
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	NA
15.Total Plot Area (sq. m.)	32735 sq.m.
16.Deductions	7692.72 sq.m.
17.Net Plot area	25042.28 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 69030.72 b) Non FSI area (sq. m.): 10653.45 c) Total BUA area (sq. m.): 79684.17
19.Total ground coverage (m2)	5801.37
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	11.16
21.Estimated cost of the project	1596956676

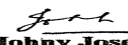
**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	9 nos	G + 15	46.8
23.Number of tenants and shops	tenants; 1719		
24.Number of expected residents / users	8595		
25.Tenant density per hectare	249		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9 m		

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 9 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15m
29. Existing structure (s) if any	NA
30. Details of the demolition with disposal (If applicable)	NA

### 31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	773 KLD
	Recycled water - Flushing (CMD):	387 KLD
	Recycled water - Gardening (CMD):	25 KLD
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1160 KLD
	Fire fighting - Underground water tank (CMD):	150 cubic meter
	Fire fighting - Overhead water tank (CMD):	25 cubic meter
	Excess treated water	516 KLD
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	773 KLD
	Recycled water - Flushing (CMD):	387 KLD
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Not applicable
	Total Water Requirement (CMD) :	1160 KLD
	Fire fighting - Underground water tank (CMD):	150 cubic meter
	Fire fighting - Overhead water tank (CMD):	25 cubic meter
	Excess treated water	541 KLD
Details of Swimming pool (If any)	Not Applicable	

### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		plan will be provided						
	<b>Size and no of RWH tank(s) and Quantity:</b>		plan will be provided						
	<b>Location of the RWH tank(s):</b>		plan will be provided						
	<b>Quantity of recharge pits:</b>		plan will be provided						
	<b>Size of recharge pits :</b>		plan will be provided						
	<b>Budgetary allocation (Capital cost) :</b>		plan will be provided						
	<b>Budgetary allocation (O &amp; M cost) :</b>		plan will be provided						
	<b>Details of UGT tanks if any :</b>		plan will be provided						
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>		--						
	<b>Quantity of storm water:</b>		proper storm water plan will be provided						
	<b>Size of SWD:</b>		--						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		928 KLD						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		1 STP of 950 KLD capacity						
	<b>Location &amp; area of the STP:</b>		location- ground, Area 1000 sq.m						
	<b>Budgetary allocation (Capital cost):</b>		120 lakh						
	<b>Budgetary allocation (O &amp; M cost):</b>		10 lakh						
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		includes preconstruction debris and excavated material						
	<b>Disposal of the construction waste debris:</b>		Waste includes debris materials (rubble & soil). Part of the soil will be used for leveling if suitable and other waste will be disposed off with authorized contractor as per rules and debris management						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		1719.0 kg/day						
	<b>Wet waste:</b>		2578.5 kg/day						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		47kg/Day ,						
	<b>Others if any:</b>		NA						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be handed over to -Authorized recycler
	<b>Wet waste:</b>	Wet waste will be processed in the OWC for manure gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	The sludge generated will be use as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	120 sq m
	<b>Area for machinery:</b>	30 sq m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	3000000
	<b>O &amp; M cost:</b>	600000

### 37.Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38.Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39.Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40.Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable

41.Source of Fuel Not applicable

42.Mode of Transportation of fuel to site Not applicable

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	4934.03 sq.m
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	410 nos
	<b>List of proposed native trees :</b>	Mimusops elengi , Pongamia pinnata , Azadiracta indica Magnifera indica , Anthocephalus cadamba
	<b>Timeline for completion of plantation :</b>	one year from grant of the EC

**44.Number and list of trees species to be planted in the ground**

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	20	Shady tree.
2	Mimusops elengi	Bakul	25	Shady tree, small white fragrant flowers
3	Azadiracta indica	Neem	20	Large tree, good for roadside plantation
4	Magnifera indica	Mango	20	Fruit bearing tree, Bird attracting
5	Anthocephalus cadamba	Kadam	25	Shady, large tree, ball shaped flowers

**45.Total quantity of plants on ground**

**46.Number and list of shrubs and bushes species to be planted in the podium RG:**

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

**47.Energy**

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 KVA
	<b>DG set as Power back-up during construction phase</b>	380 Kva
	<b>During Operation phase (Connected load):</b>	5146.3 kW
	<b>During Operation phase (Demand load):</b>	3087 kW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	2 DG sets of 120 Kva
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	---

**48.Energy saving by non-conventional method:**


--

**49.Detail calculations & % of saving:**

Serial Number	Energy Conservation Measures	Saving %
1	stand alone solar lights	100

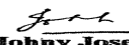
**50.Details of pollution control Systems**

Source	Existing pollution control system	Proposed to be installed
--------	-----------------------------------	--------------------------

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 13 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

Not applicable	Not applicable		Not applicable				
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	24 lakh					
	<b>O &amp; M cost:</b>	3.5 lakh					
<b>51.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Site Safety	Barricading & Dust Suppression etc	4				
2	Environmental Monitoring	Air, Noise, Water, Biological	4				
3	Sanitary Facility and Waste Water Management etc	--	3				
<b>b) Operation Phase (with Break-up):</b>							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Environmental Monitoring	Air, Noise, Water, Biological etc.	--	3			
2	Rain Water Harvesting System	Overhead tank, recharge pits etc.	15	0.75			
3	Solid Waste Management	--	10	4			
4	Green Belt Development	plantation	15	4			
5	Occupational Health & Safety Training	--	--	3			
6	Cost for DMP (capital and recurring)	--	30	5			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
Nos. of the junction to the main road & design of confluence:			separate exit and entry will be provided				

<b>Parking details:</b>	<b>Number and area of basement:</b>	--
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	--
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	1729
	<b>Number of 4-Wheelers as approved by competent authority:</b>	NA
	<b>Public Transport:</b>	--
	<b>Width of all Internal roads (m):</b>	9 to 15 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	--
	<b>Category as per schedule of EIA Notification sheet</b>	8 b
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP, Mr. Pradeep Sawant &amp; Architect Mr. Nitin Pradhan were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April 2017. Committee noted that complaint received through email indicating that proposed development is in CRZ salt pan areas. PP informed that proposed site does not attract CRZ provisions and site is not in CRZ areas as per the CZMP.</p> <p>The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 52000 sq.mt, after deduction Net Plot area is 25042.28 sq.mt. &amp; total construction area of the project is 79,684.17 m<sup>2</sup>. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A &amp; presentation submitted are taken on the record.</p>		
<b>DECISION OF SEAC</b>		






**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for EWS MASS HOUSING SCHEME UNDER PRIME MINISTER HOUSING SCHEME**General Information:**

1.Name of Project	Proposed Development of EWS Mass Housing Scheme (Phase 1) at S.No. 162, Khoni, Kalyan
2.Type of institution	Government
3.Name of Project Proponent	Konkan Housing and Area Development Board
4.Name of Consultant	M/s. Fine Envirotech Engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	New project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No.162
9.Taluka	Kalyan
10.Village	Khoni
11.Area of the project	Other area - Thane Collector
12.IOD/IOA/Concession/Plan Approval Number	Not received IOD/IOA/Concession/Plan Approval Number: Not received Approved Built-up Area: 123537.28
13.Note on the initiated work (If applicable)	Not applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	Not applicable
15.Total Plot Area (sq. m.)	171000 sq.mt.
16.Deductions	67509.05 sq.mt
17.Net Plot area	103490.95 sq.mt
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 123537.28 sq.mt b) Non FSI area (sq. m.): 19056.80 sq.mt c) Total BUA area (sq. m.): 142594.08 sq.mt
19.Total ground coverage (m2)	12086.88 sq.mt
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	7.07%
21.Estimated cost of the project	3150000000

**22.Number of buildings & its configuration**

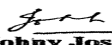
Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	EWS Buildings (16 Nos.)	Ground +15	44.77 m
2	Commercial (Shops) Building (2 Nos.)	Ground	3.65 m

23.Number of tenants and shops	Tenements - 3056 nos. and Shops -34 nos.
24.Number of expected residents / users	Residents - 15280 nos. and Shops user-102 nos.
25.Tenant density per hectare	247
26.Height of the building(s)	
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	100 m

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 17 of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph (Chairman SEAC-II)**

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9m, 12m, 15m
29. Existing structure (s) if any	Not applicable
30. Details of the demolition with disposal (If applicable)	Not applicable

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	MIDC
	Fresh water (CMD):	1377
	Recycled water - Flushing (CMD):	690
	Recycled water - Gardening (CMD):	59
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2126
	Fire fighting - Underground water tank (CMD):	150
	Fire fighting - Overhead water tank (CMD):	25
	Excess treated water	738
Wet season:	Source of water	MIDC
	Fresh water (CMD):	1377
	Recycled water - Flushing (CMD):	690
	Recycled water - Gardening (CMD):	Nil
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD) :	2067
	Fire fighting - Underground water tank (CMD):	150
	Fire fighting - Overhead water tank (CMD):	25
	Excess treated water	797
Details of Swimming pool (If any)	Not applicable	

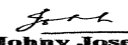
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 18 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		Detail study will be carried out						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Detail study will be carried out						
	<b>Location of the RWH tank(s):</b>		Detail study will be carried out						
	<b>Quantity of recharge pits:</b>		Detail study will be carried out						
	<b>Size of recharge pits :</b>		Detail study will be carried out						
	<b>Budgetary allocation (Capital cost) :</b>		....						
	<b>Budgetary allocation (O &amp; M cost) :</b>		....						
	<b>Details of UGT tanks if any :</b>		Fire fighting underground water tank - 150 Cum						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Proper storm water plan will be provided						
	<b>Quantity of storm water:</b>		Detail study will be carried out						
	<b>Size of SWD:</b>		Detail study will be carried out						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		1653 KLD						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		1 STP of 1700 KLD						
	<b>Location &amp; area of the STP:</b>		Location : Open Ground and area of STP -900 sq.mt						
	<b>Budgetary allocation (Capital cost):</b>		Rs. 150 Lakhs						
	<b>Budgetary allocation (O &amp; M cost):</b>		Rs. 30 Lakhs						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		Waste will be generated during excavation and other construction activities						
	<b>Disposal of the construction waste debris:</b>		To be disposed by handed over to authorized contractor/recycler						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		3074 Kg/day						
	<b>Wet waste:</b>		5026 Kg/day						
	<b>Hazardous waste:</b>		Not applicable						
	<b>Biomedical waste (If applicable):</b>		Not applicable						
	<b>STP Sludge (Dry sludge):</b>		165 Kg/day						
	<b>Others if any:</b>		Not applicable						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Wastes will be handed over to authorized agency/recycler
	<b>Wet waste:</b>	Waste will be process in Organic Waste Converter and compost will be used as manure for gardening
	<b>Hazardous waste:</b>	Not applicable
	<b>Biomedical waste (If applicable):</b>	Not applicable
	<b>STP Sludge (Dry sludge):</b>	Used as manure for gardening
	<b>Others if any:</b>	Not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Open Ground
	<b>Area for the storage of waste &amp; other material:</b>	150 sq.mt
	<b>Area for machinery:</b>	50 sq.mt
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 60 Lakhs
	<b>O &amp; M cost:</b>	Rs. 12 Lakhs

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	11735.82 sq.mt
	<b>No of trees to be cut :</b>	Not applicable
	<b>Number of trees to be planted :</b>	1500 nos.
	<b>List of proposed native trees :</b>	Karanj, Apta, Neem, Kadamb, Bhava, Sita Ashoka, Bakul, Son chapa, Nandruk, Palas, Shirish, Neem, Mango.
	<b>Timeline for completion of plantation :</b>	2 Years

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	Shady tree	150
2	Bauhinia racemosa	Apta	Small tree with small white flowers, butterfly host plant	150
3	Anthocephallus cadamba	Kadamb	Shady, large deciduous tree, fast growing graceful tree, ball shaped flowers	150
4	Cassia fistula	Bhava	Medium sized deciduous tree, beautiful yellow flowers, Butterfly host plant	100
5	Saraca asoka	Sita Ashoka	Shady tree with red yellow flowers	200
6	Mimusops elengi	Bakul	Shady tree, small white fragrant flowers	230
7	Michalia champaca	Son chapa	Medium sized evergreen tree, fragrant yellow flowers, butterfly host plant	150
8	Ficus retusa	Nandruk	Shady tree, good for roadside plantation	100
9	Butea monosperma	Palas	Medium sized deciduous tree. Beautiful orange flowers, Butterfly host plant	100
10	Albizia lebbeck	Shirish	Shady tree, yellowish green fragrant flowers	80
11	Azadiracta indica	Neem	Large tree, good for roadside plantation	40
12	Magnifera indica	Mango	Fruits bearing tree	50

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	Not applicable	Not applicable	Not applicable

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	200 KW
	<b>DG set as Power back-up during construction phase</b>	150 KW
	<b>During Operation phase (Connected load):</b>	9129 KW
	<b>During Operation phase (Demand load):</b>	4565 KW
	<b>Transformer:</b>	9 Nos. of 630 KVA
	<b>DG set as Power back-up during operation phase:</b>	2 nos. of DG sets of capacity 125 KVA
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	Not applicable

#### 48. Energy saving by non-conventional method:

100 stand alone solar lights

#### 49. Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	100 stand alone solar lights	9 KW

#### 50. Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Rs. 30 Lakhs
	<b>O &amp; M cost:</b>	Rs. 3 Lakhs


### 51. Environmental Management plan Budgetary Allocation

#### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression etc	3
2	Environmental Monitoring	Air, Noise, Water, Biological	7
3	Sanitary Facility and Waste Water Management	Water	5
4	Solid Waste Management	Solid waste	4
5	Occupation Health & Safety Training	Health check up of workers, disinfection at site, First aid facilities, Personal protective equipments	5

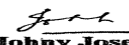
#### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	1 STP of capacity 1700 KLD	150	30

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

Page 22  
of 56

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)



2	Rain Water Harvesting System	Recharge pits	15	1
3	Green Belt Development	RG area 11735.82 sq.mt. Tree plantation	25	3
4	Solid Waste Management	OWC, Manpower, Colored Dustbins	60	12
5	Energy Saving Measures	Stand alone solar lights	30	3

### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Separate exit and entry points.
Parking details:	Number and area of basement:	Not applicable
	Number and area of podia:	Not applicable
	Total Parking area:	....
	Area per car:	Not applicable
	Area per car:	Not applicable
	Number of 2-Wheelers as approved by competent authority:	3086 nos.
	Number of 4-Wheelers as approved by competent authority:	Not applicable
	Public Transport:	Not applicable
	Width of all Internal roads (m):	9m, 12m, 15m
	CRZ/ RRZ clearance obtain, if any:	Not applicable
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	Not applicable
	Category as per schedule of EIA Notification sheet	8 a (B2) category
	Court cases pending if any	Not applicable
	Other Relevant Informations	Not applicable

	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### Brief information of the project by SEAC

Representative of PP, Chief Officer, Konkan Housing And Area Development Board, Mr. Vijay Lahane & Architect Mr. Nitin Pradhan were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April 2017.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

PP stated that total plot area is 171000 m<sup>2</sup> & total construction area of the project (FSI+Non FSI) is 143434.08 m<sup>2</sup>. It is noted that Non FSI area stated in Form 1, 1A is 19056.80 sq.m and Total Built up Area is 142594.08 sq.m while in presentation it was mentioned as 19896.80 sq.m and 143434.08 sq.mt respectively. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted online are taken on the record.

### DECISION OF SEAC

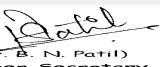
***In view of following, the proposal is deferred and shall be considered further after the compliance of above observations submitted for reconsideration.***

#### Specific Conditions by SEAC:

- 1) It is observed that non FSI area and total construction area statements presented during the meeting are varying from the submissions. PP to resubmit correct statement with documentary support.
- 2) PP to submit & upload detailed duly stamped & signed project plan submitted to local body for approval along with DP remarks.
- 3) It is observed that there are no sewer lines and storm water lines available near the project. PP informed that infrastructure facilities like road, sewerage line, electricity and storm-water lines will be done by CIDCO. PP to submit required commitment letter from CIDCO approving the same.
- 4) PP to submit detailed calculations for storm water and sewer line for entire plot and details of the existing external storm water system.
- 5) PP to achieve 10% energy savings through renewable component & submit revised energy calculations indicating the same comprising area under roof top PV panels, common area solar lighting, solar pumps for water & sewage pumping etc.
- 6) PP to ensure that BOD of the treated waste water should be 5 mg/lit as there is no disposal system available outside the project boundary.
- 7) PP to submit village map showing access road to the said property.
- 8) PP to submit soil test reports for proposed rain water harvesting.
- 9) PP to ensure that width of the fire tender movement from all sides should be more than 6 m and turning radius should be 9 meters. PP to submit revised plans indicating the same.
- 10) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
- 11) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

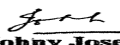
### FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20,  
2017**

**Page 24  
of 56**

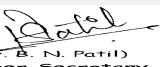
  
**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**

**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for EWS Mass Housing Scheme Survey .no.80, 81 Bandarli, Tal-Thane**General Information:**

1.Name of Project	Proposed EWS Mass Housing Scheme Survey .no.80, 81 Bandarli, Tal-Thane, Maharashtra (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Kokan Housing and Area Development Board (MHADA)
4.Name of Consultant	Fine Envirotech engineers
5.Type of project	Housing project
6.New project/expansion in existing project/modernization/diversification in existing project	Not applicable
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey .no.80, 81 Bandarli, Tal-Thane
9.Taluka	Thane
10.Village	Bandarli
11.Area of the project	other area
12.IOD/IOA/Concession/Plan Approval Number	Not received yet
	IOD/IOA/Concession/Plan Approval Number: Not received yet
	Approved Built-up Area: 34522
13.Note on the initiated work (If applicable)	No
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	--
15.Total Plot Area (sq. m.)	13809 sq.m.
16.Deductions	2002.3 sq.m.
17.Net Plot area	11806.70 sq.m.
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 21629.60
	b) Non FSI area (sq. m.): 3451.15
	c) Total BUA area (sq. m.): 25080.75
19.Total ground coverage (m2)	1855.13
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	13.43
21.Estimated cost of the project	319457406

**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	3	G+15	45.8m
23.Number of tenants and shops	541		
24.Number of expected residents / users	2755		
25.Tenant density per hectare	250		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	9m		

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 25  
of 56**

  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	15m
29. Existing structure (s) if any	no
30. Details of the demolition with disposal (If applicable)	no

### 31. Production Details

Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	243KLD
	Recycled water - Flushing (CMD):	122 KLD
	Recycled water - Gardening (CMD):	10 KLD
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	365 KLD
	Fire fighting - Underground water tank(CMD):	150 cubic meter
	Fire fighting - Overhead water tank(CMD):	25 cubic meter
	Excess treated water	160 KLD
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	243KLD
	Recycled water - Flushing (CMD):	122 KLD
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	Not Applicable
	Total Water Requirement (CMD) :	355 KLD
	Fire fighting - Underground water tank(CMD):	150 cubic meter
	Fire fighting - Overhead water tank(CMD):	25 cubic meter
	Excess treated water	170 KLD
Details of Swimming pool (If any)	NA	

### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		plan will be provided						
	<b>Size and no of RWH tank(s) and Quantity:</b>		plan will be provided						
	<b>Location of the RWH tank(s):</b>		plan will be provided						
	<b>Quantity of recharge pits:</b>		plan will be provided						
	<b>Size of recharge pits :</b>		plan will be provided						
	<b>Budgetary allocation (Capital cost) :</b>		plan will be provided						
	<b>Budgetary allocation (O &amp; M cost) :</b>		plan will be provided						
	<b>Details of UGT tanks if any :</b>		10 nos						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		--						
	<b>Quantity of storm water:</b>		proper storm water plan will be provided						
	<b>Size of SWD:</b>		proper storm water plan will be provided						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		292.14KLD						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		300 KLD						
	<b>Location &amp; area of the STP:</b>		Ground, area- 350 sq.m						
	<b>Budgetary allocation (Capital cost):</b>		40 lakh						
	<b>Budgetary allocation (O &amp; M cost):</b>		7 lakh						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		includes preconstruction debris and excavated material						
	<b>Disposal of the construction waste debris:</b>		Waste includes debris materials (rubble & soil). Part of the soil will be used for leveling if suitable and other waste will be disposed off with authorized contractor.						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		514 kg/day						
	<b>Wet waste:</b>		811.5 kg/day						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		14.6 kg/day						
	<b>Others if any:</b>		NA						

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be handed over to authorized recycler
	<b>Wet waste:</b>	Wet waste will be processed in the OWC and manure will use for gardening purpose
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	manure will be used for gardening whereas other will be given to authorized agencies
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	120 sq m
	<b>Area for machinery:</b>	30 sq m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	3000000
	<b>O &amp; M cost:</b>	600000

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		

<b>43.Green Belt Development</b>	<b>Total RG area :</b>	2033.20 sq.m.
	<b>No of trees to be cut :</b>	NA
	<b>Number of trees to be planted :</b>	173
	<b>List of proposed native trees :</b>	Mimusops elengi , Pongamia pinnata , Azadiracta indica Magnifera indica , Anthocephalus cadamba
	<b>Timeline for completion of plantation :</b>	one year from the grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Mimusops elengi	Bakul	25	Shady tree, small white fragrant flowers
2	Pongamia pinnata	Karanj	20	Shady tree:
3	Azadiracta indica	Neem	20	Large tree, good for roadside plantation
4	Magnifera indica	Mango	20	Fruit bearing tree, Bird attracting
5	Anthocephalus cadamba	Kadam	25	Shady, large tree, ball shaped flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 kW
	<b>DG set as Power back-up during construction phase</b>	150 KVA
	<b>During Operation phase (Connected load):</b>	1619.8 kW
	<b>During Operation phase (Demand load):</b>	971.9 kW
	<b>Transformer:</b>	--
	<b>DG set as Power back-up during operation phase:</b>	150 KVA X 2 Nos
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	--

#### 48.Energy saving by non-conventional method:

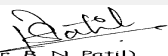
---

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	stand alone solar lights	100

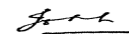
#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
--------	-----------------------------------	--------------------------

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 29 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)



Not applicable	Not applicable		Not applicable				
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	24 lakh					
	<b>O &amp; M cost:</b>	3.5 lakh					
<b>51.Environmental Management plan Budgetary Allocation</b>							
<b>a) Construction phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Attributes</b>	<b>Parameter</b>	<b>Total Cost per annum (Rs. In Lacs)</b>				
1	Site Safety	Barricading & Dust Suppression etc	3				
2	Environmental Monitoring	Air, Noise, Water, Biological	3				
3	Sanitary Facility and Waste Water Management etc	--	3				
<b>b) Operation Phase (with Break-up):</b>							
<b>Serial Number</b>	<b>Component</b>	<b>Description</b>	<b>Capital cost Rs. In Lacs</b>	<b>Operational and Maintenance cost (Rs. in Lacs/yr)</b>			
1	Environmental Monitoring	Air, Noise, Water, Biological etc.	--	3			
2	Rain Water Harvesting System	Overhead tank, recharge pits etc.	10	0.75			
3	Solid Waste Management	--	10	4			
4	Green Belt Development	plantation	10	3			
5	Cost for DMP (capital and recurring)	--	30	5			
<b>51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)</b>							
<b>Description</b>	<b>Status</b>	<b>Location</b>	<b>Storage Capacity in MT</b>	<b>Maximum Quantity of Storage at any point of time in MT</b>	<b>Consumption / Month in MT</b>	<b>Source of Supply</b>	<b>Means of transportation</b>
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>52.Any Other Information</b>							
No Information Available							
<b>53.Traffic Management</b>							
<b>Nos. of the junction to the main road &amp; design of confluence:</b>			separate exit and entry will be provided				

<b>Parking details:</b>	<b>Number and area of basement:</b>	--
	<b>Number and area of podia:</b>	NA
	<b>Total Parking area:</b>	--
	<b>Area per car:</b>	--
	<b>Area per car:</b>	--
	<b>Number of 2-Wheelers as approved by competent authority:</b>	546
	<b>Number of 4-Wheelers as approved by competent authority:</b>	--
	<b>Public Transport:</b>	--
	<b>Width of all Internal roads (m):</b>	9m to 15m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	NA
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	--
	<b>Category as per schedule of EIA Notification sheet</b>	8 a
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP, Chief Officer, Konkan Housing And Area Development Board, Mr. Vijay Lahane &amp; Architect Mr. Nitin Pradhan were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April, 2017.</p> <p>The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 13809m<sup>2</sup> &amp; total construction area of the project is 25080.75 m<sup>2</sup>. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation &amp; plans submitted are taken on the record.</p>		
<b>DECISION OF SEAC</b>		




**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)**General Information:**

1.Name of Project	Proposed Redevelopment Of Worli BDD Chawl at CTS No. 1539 & 1540, Village Lower Parel, Worli, Mumbai 400018 (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Mumbai House and Development Board (MHADA)
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	MHADA
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	CTS no. 1539 & 1540
9.Taluka	Mumbai
10.Village	Lower Parel
11.Area of the project	Municipal Corporation of Greater Mumbai
12.IOD/IOA/Concession/Plan Approval Number	Application has been made for IOD <b>IOD/IOA/Concession/Plan Approval Number:</b> Application has been made for IOD <b>Approved Built-up Area:</b> 139164.15
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	---
15.Total Plot Area (sq. m.)	221424.81 sq.m.
16.Deductions	72659.58 sq.m.
17.Net Plot area	148765.26 sq.m
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 1133515372 sq.m. Phase I 139164.15 sq.m. b) Non FSI area (sq. m.): 1233468.22 sq.m. (Phase I 92616.37) c) Total BUA area (sq. m.): 2366983.94 sq.m. Phase I 139164.15 sq.m.
19.Total ground coverage (m2)	122867.84 sq.m.
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	82 % on net plot, 55% on Gross Plot
21.Estimated cost of the project	5120000000

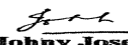
**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Sector 1- 2 bldg	3B+1GR+1P+22Flr	69 - 90
2	Sector 3- 3 bldg	3B+1GR+1P+22Flr	69 - 90
3	Transit - 6 bldg	G+7	69 - 90
23.Number of tenants and shops	Sector 1 Residential 220+ Shop 13, Sector Residential 264+ Shop 18, Transit Camp Residential 720		
24.Number of expected residents / users	Sector 1 - 1139, Sector 3 - 1374, Transit Camp- 3600		
25.Tenant density per hectare	276		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	Minimum 18.30 m wide road to 27.45 m wide road		

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 33 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Existing buildings are to be demolished
30. Details of the demolition with disposal (If applicable)	Demolition of existing building will be undertaken. Demolition waste generated will be disposed to landfill as per approved debris management plan

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

<b>Dry season:</b>	Source of water	MCGM
	Fresh water (CMD):	Sector 1 - 99.78, Sector 3 - 119.88, Transit Camp - 32
	Recycled water - Flushing (CMD):	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp - 162
	Recycled water - Gardening (CMD):	Sector 1 - 27.75, Sector 3 - 14.74, Transit Camp - 0.75
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	Sector 1 - 150.26, Sector 3 - 180.63, Transit Camp - 48
	Fire fighting - Underground water tank (CMD):	Sector 1 - 300, Sector 3 - 1200, Transit Camp - 1200
	Fire fighting - Overhead water tank (CMD):	Sector 1 - 60, Sector 3 - 240, Transit Camp - 240
	Excess treated water	Sector 1 - 3.51, Sector 3 - 22.78, Transit Camp - 101.6
<b>Wet season:</b>	Source of water	MCGM
	Fresh water (CMD):	Sector 1 - 79.78, Sector 3 - 89.88, Transit Camp - 264
	Recycled water - Flushing (CMD):	Sector 1 - 50.48, Sector 3 - 60.75, Transit Camp - 162
	Recycled water - Gardening (CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
	Swimming pool make up (Cum):	NA
	Total Water Requirement (CMD):	Sector 1 - 130.26, Sector 3 - 150.63, Transit Camp - 426
	Fire fighting - Underground water tank (CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
	Fire fighting - Overhead water tank (CMD):	Sector 1 - 00, Sector 3 - 00, Transit Camp - 00
Excess treated water	Sector 1 - 31.26, Sector 3 - 37.51, Transit Camp - 102.38	
Details of Swimming pool (If any)	NA	

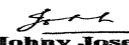
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N. Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 34 of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph (Chairman SEAC-II)**

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34.Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>	4 m							
	<b>Size and no of RWH tank(s) and Quantity:</b>	Sector 1 - 2 No. x 4 mx 1.5 m x 2 m, Sector 3 - 3 No. x 4 mx 1.5 m x 2 m, Transit camp - 6No. x 4 mx 1.5 m x 2 m							
	<b>Location of the RWH tank(s):</b>	Sector 1 - Podium, Sector 3 - Podium, Transit camp - Ground							
	<b>Quantity of recharge pits:</b>	NA							
	<b>Size of recharge pits :</b>	NA							
	<b>Budgetary allocation (Capital cost) :</b>	Sector 1 - 4.32 Lakhs, Sector 3 - 6.48 Lakhs, Transit camp - 12.96 Lakhs							
	<b>Budgetary allocation (O &amp; M cost) :</b>	Sector 1 - 0.65 Lakhs, Sector 3 - 0.97 Lakhs, Transit camp - 1.94 Lakhs							
	<b>Details of UGT tanks if any :</b>	Sector 1 Size of Domestic 3.35 M x 4.8 M x 3 M # 2 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 2 Nos Sector 3 Size of Domestic 3.35 M x 4.8 M x 3 M # 3 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 3 Nos Transit Camp Size of Domestic 3.35 M x 4.8 M x 3 M # 6 Nos Size of Flushing 7.5 M x 1.2 M x 3 M # 6 Nos							
<b>35.Storm water drainage</b>	<b>Natural water drainage pattern:</b>	NA							
	<b>Quantity of storm water:</b>	Sector 1-1424.88 cum/hr, Sector 3 - 854.57 cum/hr, Transit Camp - 115.13 cum/hr							
	<b>Size of SWD:</b>	Sector 1- 600 Dia RCC Hume Pipe, Sector 3 - 600 Dia RCC Hume Pipe, Transit Camp - 600 Dia RCC Hume Pipe							
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>	Sector 1-128, Sector 3 - 154, Transit Camp - 69							
	<b>STP technology:</b>	MBBR							
	<b>Capacity of STP (CMD):</b>	Sector 1- 1 Nos # 150 KLD , Sector 3 - 1 Nos # 150 KLD , Transit Camp - 2 Nos # 200 KLD							
	<b>Location &amp; area of the STP:</b>	Sector 1- At Ground Level / Area 80 Sqmt , Sector 3 - At Ground Level / Area 100 Sqmt , Transit Camp - At Ground Level / Area 60 Sqmt							
	<b>Budgetary allocation (Capital cost):</b>	Sector 1- 38.4 Lakhs , Sector 3 - 38.4 Lakhs, Transit Camp - 102.4 Lakhs							
	<b>Budgetary allocation (O &amp; M cost):</b>	Sector 1- 3.84 Lakhs , Sector 3 - 3.84 Lakhs, Transit Camp - 10.4Lakhs							
<b>36.Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>	In pre-construction phase, demolition waste generated, which is disposed to landfill as per approved debris management plan.							
	<b>Disposal of the construction waste debris:</b>	Scrap material sold to authorised vendor.							
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>	Sector 1- 227.8 kg/day, Sector 3 - 274.8 kg/day, Transit Camp - 120 kg/day							
	<b>Wet waste:</b>	Sector 1- 341.7 kg/day, Sector 3 - 412.2 kg/day, Transit Camp - 180 kg/day							
	<b>Hazardous waste:</b>	NA							
	<b>Biomedical waste (If applicable):</b>	NA							
	<b>STP Sludge (Dry sludge):</b>	Sector 1- 15.33 kg/day, Sector 3 - 18.42 kg/day, Transit Camp - 8.26 kg/day							
	<b>Others if any:</b>	NA							

<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Handed over to authorize recycler
	<b>Wet waste:</b>	Will be treated in OWC to get manure.
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	Will be used as manure
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground Level
	<b>Area for the storage of waste &amp; other material:</b>	Sector 1- 25 sq.m, Sector 3 - 40 sq.m, Transit Camp - 12 sq.m
	<b>Area for machinery:</b>	Sector 1- 40 sq.m, Sector 3 - 40 sq.m, Transit Camp - 25 sq.m
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	Sector 1- 17.26 Lakhs , Sector 3 - 20.82 Lakhs, Transit Camp - 9.09 Lakhs
	<b>O &amp; M cost:</b>	Sector 1- 1.73 Lakhs , Sector 3 - 2.08 Lakhs, Transit Camp - 0.91 Lakhs

### 37. Effluent Charecterestics

Serial Number	Parameters	Unit	Inlet Effluent Charecterestics	Outlet Effluent Charecterestics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		



<b>43.Green Belt Development</b>	<b>Total RG area :</b>	Sector 1- 3700 sq.m., Sector 3 - 1965 sq.m., Transit Camp - 100 sq.m.
	<b>No of trees to be cut :</b>	6
	<b>Number of trees to be planted :</b>	Sector 1- 200., Sector 3 - 160, Transit Camp - NA
	<b>List of proposed native trees :</b>	Cassia fistula , Pongamia pinnata , Mimusops elengi , Azadiracta indica , Magnifera indica
	<b>Timeline for completion of plantation :</b>	Within one year of project implementation

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Sita Ashok	Saraca asoka	40	Shady tree with red-yellow flowers.
2	Bhava	Cassia fistula	40	Medium sized deciduous tree. Beautiful yellow flowers, Butterfly host plant
3	Karanj	Pongamia pinnata	40	Shady tree.
4	Bakul	Mimusops elengi	40	Shady tree, small white fragrant flowers
5	Neem	Azadiracta indica	40	Large tree, good for roadside plantation
6	Mango	Magnifera indica	40	Fruit bearing tree, Bird attracting
7	Kadam	Anthocephalus cadamba	40	Shady, large tree, ball shaped flowers
8	Apta	Bauhinia racemosa	40	Small tree with small white flowers, Butterfly host plant
9	Kunti	Murraya Paniculata	40	Small tree, Fragrant white flowers, Butterfly host plant

45.Total quantity of plants on ground

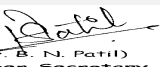
#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	--	--	--

#### 47.Energy

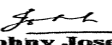
<b>Power requirement:</b>	<b>Source of power supply :</b>	BEST
	<b>During Construction Phase: (Demand Load)</b>	250 kVA
	<b>DG set as Power back-up during construction phase</b>	150 kVA
	<b>During Operation phase (Connected load):</b>	Sector 1- 2836 kW., Sector 3 - 2827 kW, Transit Camp - 1506 kW
	<b>During Operation phase (Demand load):</b>	Sector 1- 1509 kW., Sector 3 - 1293 kW, Transit Camp - 815 kW
	<b>Transformer:</b>	Sector 1- 2 No. x 630 kVA, Sector 3 -2 No. x 630 kVA, Transit Camp - 2 No. x 500 kVA
	<b>DG set as Power back-up during operation phase:</b>	Sector 1- 2 No. x 750 kVA, Sector 3 -1 No. x 630 kVA & 1 No. 500 kVA, Transit Camp - 2 No. x 160 kVA
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48.Energy saving by non-conventional method:

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 37 of 56**

  
**Johny Joseph**  
**Shri. Johny Joseph (Chairman SEAC-II)**

Solar PV cells will be provided

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	Solar PV Cells Sector 1	200 Watt x 108 No. of panels
2	Solar PV Cells Sector 3	200 Watt x 91No. of panels
3	Solar PV Cells Transit	200 Watt x 335 No. of panels

#### 50.Details of pollution control Systems

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable

Budgetary allocation (Capital cost and O&M cost):	Capital cost:	Sector 1- 26.93 Lakh., Sector 3 - 22.85 Lakh, Transit Camp - 83.79 Lakh
	O & M cost:	Sector 1- 2.69 Lakh., Sector 3 - 2.28Lakh, Transit Camp - 8.38 Lakh

#### 51.Environmental Management plan Budgetary Allocation

##### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Site Safety	Barricading & Dust Suppression e	5
2	Environmental Monitoring	Air, Noise, Water, Biological	4
3	Sanitary Facility and Waste Water Management etc.	Sanitary Facility and Waste Water Management etc.	5

##### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	Sewage Treatment Plant	--	179.2	18.08
2	Environmental Monitoring	--	--	6
3	Rain Water Harvesting System	--	23.70	3.56
4	Solid Waste Management	--	47.17	4.72
5	Energy Saving Measures (Solar)	--	133.33	13.95
6	Green Belt Development	--	40	4
7	Occupational Health & Safety Training	--	--	5


#### 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

#### 52.Any Other Information

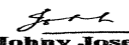
No Information Available

#### 53.Traffic Management

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 38 of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph (Chairman SEAC-II)**

	<b>Nos. of the junction to the main road &amp; design of confluence:</b>	Separate 5 entry and 5 exit points will be provided
<b>Parking details:</b>	<b>Number and area of basement:</b>	3 Basement
	<b>Number and area of podia:</b>	1
	<b>Total Parking area:</b>	Sector 1- 37570.54 sq.m., Sector 3 - 24030.14 sq.m., Transit Camp - NA
	<b>Area per car:</b>	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	<b>Area per car:</b>	Sector 1- 35 sq.m., Sector 3 - 35 sq.m., Transit Camp - NA
	<b>Number of 2-Wheelers as approved by competent authority:</b>	Sector 1- 250., Sector 3 - 200, Transit Camp - NA
	<b>Number of 4-Wheelers as approved by competent authority:</b>	Sector 1- 914, Sector 3 - 645, Transit Camp - NA
	<b>Public Transport:</b>	NA
	<b>Width of all Internal roads (m):</b>	18.30 m and 9.0 m
	<b>CRZ/ RRZ clearance obtain, if any:</b>	Not Applicable
	<b>Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries</b>	Not Applicable
	<b>Category as per schedule of EIA Notification sheet</b>	8 (a)
	<b>Court cases pending if any</b>	NA
	<b>Other Relevant Informations</b>	NA
	<b>Have you previously submitted Application online on MOEF Website.</b>	No
	<b>Date of online submission</b>	-

### Brief information of the project by SEAC


Representative of PP, Shri Subhash Lakhe from MHADA & Architect Mr Vivek Bhole were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers. PP informed that project proposal has been submitted on 17<sup>th</sup> April, 2017.

PP informed that the total plot area is 2,21,424.81 sq.m., It was also informed that plot is naturally sub divided by DP road. Environmental infrastructure for all the phases on sub divided plots will be separate. Total construction area (FSI +Non FSI) proposed in this phase of the project is 1, 39,164.15 sq.m. comprising of 6 buildings for transit camp, 2 buildings in sector 1 and 3 buildings in sector 3.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.

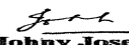
PP stated that total plot area is 221424.81 m<sup>2</sup> & total construction area of the project (Phase- I) is 1,39,164.15 m<sup>2</sup>. Committee noted that the project submission is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record. PP confirmed to the committee that the proposed development is only for 1, 39,164.15 sq.m and all the environmental infrastructure for the proposed population will be provided separately for their development, if any, will be on subdivided plot and they will obtain prior permission under EIA following the due procedure under the notification.

### DECISION OF SEAC

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 39  
of 56**

  
**Johny Joseph**  
**Shri. Johny Joseph  
(Chairman SEAC-II)**

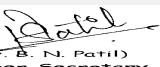


**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for Proposed ESW Mass housing Scheme S. No. 86,95,133 Shirdhon, Taluka Kalyan (Phase I)**General Information:**

1.Name of Project	Proposed ESW Mass housing Scheme S. No. 86,95,133 Shirdhon, Taluka Kalyan (Phase I)
2.Type of institution	Government
3.Name of Project Proponent	Shri. Pradip Sahadeo Savant
4.Name of Consultant	Fine Envirotech Engineers
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	New Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Not applicable
8.Location of the project	Survey No. 86,95,133
9.Taluka	Kalyan
10.Village	Shirdhon
11.Area of the project	Other area
12.IOD/IOA/Concession/Plan Approval Number	Application has been made IOD/IOA/Concession/Plan Approval Number: Application has been made Approved Built-up Area: 98166.16
13.Note on the initiated work (If applicable)	Not Applicable
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	---
15.Total Plot Area (sq. m.)	393600
16.Deductions	104151.18
17.Net Plot area	289448.82
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 98166.16 b) Non FSI area (sq. m.): 30807.69 c) Total BUA area (sq. m.): 128973.85
19.Total ground coverage (m2)	18109.97
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	6.26
21.Estimated cost of the project	15346422000

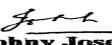
**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	29	G+7	24
23.Number of tenants and shops	29		
24.Number of expected residents / users	2755		
25.Tenant density per hectare	95		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	18 m		

  
 (Dr. B.N. Patil)  
 Member, Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20,  
 2017**

**Page 41  
 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Not Applicable
30. Details of the demolition with disposal (If applicable)	Solid waste generation during construction phase is debris materials (rubble & soil). Part of the soil will be used for leveling if suitable and other waste will be disposed off with authorized contractor as per rules and debris management.

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	CIDCO
	Fresh water (CMD):	1239.75
	Recycled water - Flushing (CMD):	619.88
	Recycled water - Gardening (CMD):	160.13
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	2020
	Fire fighting - Underground water tank (CMD):	150
	Fire fighting - Overhead water tank (CMD):	25
	Excess treated water	558.3
Wet season:	Source of water	CIDCO
	Fresh water (CMD):	1239.75
	Recycled water - Flushing (CMD):	619.88
	Recycled water - Gardening (CMD):	00
	Swimming pool make up (Cum):	00
	Total Water Requirement (CMD) :	1400.12
	Fire fighting - Underground water tank (CMD):	150
	Fire fighting - Overhead water tank (CMD):	25
	Excess treated water	718
Details of Swimming pool (If any)	NA	

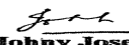
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N. Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

Page 42  
 of 56

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		Plan Will Be Provided						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Plan Will Be Provided						
	<b>Location of the RWH tank(s):</b>		Ground						
	<b>Quantity of recharge pits:</b>		Plan Will Be Provided						
	<b>Size of recharge pits :</b>		Plan Will Be Provided						
	<b>Budgetary allocation (Capital cost) :</b>		Plan Will Be Provided						
	<b>Budgetary allocation (O &amp; M cost) :</b>		Plan Will Be Provided						
	<b>Details of UGT tanks if any :</b>		Plan Will Be Provided						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Proper storm water plan will be provided						
	<b>Quantity of storm water:</b>		Proper storm water plan will be provided						
	<b>Size of SWD:</b>		---						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		1487.7						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		1500						
	<b>Location &amp; area of the STP:</b>		Location- Ground, Area - 7350 sq.m.						
	<b>Budgetary allocation (Capital cost):</b>		180 lakh						
	<b>Budgetary allocation (O &amp; M cost):</b>		15 lakh						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		Includes preconstruction debris and excavated material						
	<b>Disposal of the construction waste debris:</b>		Biodegradable waste will be processed in the OWC for manure gardening. The non Biodegradable waste will be handed over to Authorised agency for recycling. The sludge generated will be use as manure for gardening						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		2755 kg/day						
	<b>Wet waste:</b>		4132.5 kg/day						
	<b>Hazardous waste:</b>		NA						
	<b>Biomedical waste (If applicable):</b>		NA						
	<b>STP Sludge (Dry sludge):</b>		74.385 kg/day						
	<b>Others if any:</b>		NA						



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry waste will be handed over to authorized facility for recycling
	<b>Wet waste:</b>	Biodegradable waste will be processed in the OWC for manure gardening. The non Biodegradable waste will be handed over to Authorised agency for recycling. The sludge generated will be use as manure for gardening
	<b>Hazardous waste:</b>	NA
	<b>Biomedical waste (If applicable):</b>	NA
	<b>STP Sludge (Dry sludge):</b>	The sludge generated will be use as manure.
	<b>Others if any:</b>	NA
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	120 sq.m.
	<b>Area for machinery:</b>	120 sq.m.
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	3000000
	<b>O &amp; M cost:</b>	600000

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		



<b>43.Green Belt Development</b>	<b>Total RG area :</b>	32026.96 sq.m.
	<b>No of trees to be cut :</b>	No
	<b>Number of trees to be planted :</b>	1300
	<b>List of proposed native trees :</b>	Pongamia pinnata, Mimusops elengi , Azadiracta indica ,Magnifera indica
	<b>Timeline for completion of plantation :</b>	1 year from grant of EC

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Pongamia pinnata	Karanj	216	Shady Tree
2	Mimusops elengi	Bakul	216	Large Tree Good for Roadside Plantation
3	Azadiracta indica	Neem	216	Medicinal Important tree, Shady in nature
4	Magnifera indica	Mango	216	Fruit Bearing and bird attracting
5	Cassia fistula	Bahava	216	Medium Sized deciduous tree, Beutiful yellow flowers, butterfly host plant
6	Anthocephalus cadamba	Kadam	220	Shady large tree, ball shaped flowers

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	---	---	---

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	MSEDCL
	<b>During Construction Phase: (Demand Load)</b>	150 kW
	<b>DG set as Power back-up during construction phase</b>	380 kW
	<b>During Operation phase (Connected load):</b>	774.42 kW
	<b>During Operation phase (Demand load):</b>	387.08 kW
	<b>Transformer:</b>	---
	<b>DG set as Power back-up during operation phase:</b>	380 kVA &120 kVAx4
	<b>Fuel used:</b>	Diesel
	<b>Details of high tension line passing through the plot if any:</b>	NA

#### 48.Energy saving by non-conventional method:

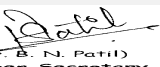
150 stand alone solar lights

#### 49.Detail calculations & % of saving:

Serial Number	Energy Conservation Measures	Saving %
1	---	---

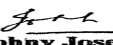
50.Details of pollution control Systems							
Source	Existing pollution control system			Proposed to be installed			
Not applicable	Not applicable			Not applicable			
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	48 lakhs					
	O & M cost:	5 lakhs					
51.Environmental Management plan Budgetary Allocation							
a) Construction phase (with Break-up):							
Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)				
1	Site Safety	Barricading & Dust Suppression etc	5				
2	Environmental Monitoring	Air, Noise, Water, Biological	4				
3	Sanitary Facility and Waste Water Management etc	---	3				
b) Operation Phase (with Break-up):							
Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)			
1	Environmental Monitoring	Air, Noise, Water, Biological etc	---	3			
2	Rain Water Harvesting System	overhead tanks, recharge pits etc	15	0.75			
3	Solid Waste Management	Collection and disposal of solid waste	10	4			
4	Green Belt Development	Plantation	15	4			
5	Occupational Health & Safety Training	supply of safety items, sinages etc	---	3			
6	Cost for DMP (capital and recurring)	Disaster Management	30	5			
51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)							
Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
52.Any Other Information							
No Information Available							
53.Traffic Management							
		Nos. of the junction to the main road & design of confluence:	separate exit and entry will be provided				

Parking details:	Number and area of basement:	NA
	Number and area of podia:	NA
	Total Parking area:	NA
	Area per car:	NA
	Area per car:	NA
	Number of 2-Wheelers as approved by competent authority:	2800
	Number of 4-Wheelers as approved by competent authority:	00
	Public Transport:	00
	Width of all Internal roads (m):	15 m
	CRZ/ RRZ clearance obtain, if any:	NA
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	NA
	Category as per schedule of EIA Notification sheet	NA
	Court cases pending if any	NA
	Other Relevant Informations	NA
	Have you previously submitted Application online on MOEF Website.	No
	Date of online submission	-
<b>Brief information of the project by SEAC</b>		
<p>Representative of PP, Chief Officer, Konkan Housing And Area Development Board, Mr. Vijay Lahane &amp; Architect were present during the meeting along with environmental consultant M/s Fine Envirotech Engineers.</p> <p>PP informed that project is for EWS mass housing scheme at S.No.86, 95, 133, shirdhon, Taluka Kalyan . PP informed that land under consideration is under U2 zone and land is being handed over to MHADA by collector. It is also observed that river is passing near to plot. PP informed that plot is 30 meter away from the river line and further that 30 m meter buffer area left besides setback area for the project. It is also observed that net plot area is varying from the submitted documents.</p> <p>The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed.</p> <p>PP stated that total plot area is 393600 m<sup>2</sup> &amp; total construction area (FSI+Non FSI) of the project is 129026.85 m<sup>2</sup>. It is noted that Non FSI area stated in Form 1, 1A is 30807.69 sq.m and Total Built up Area is 128973.85 sq.m while in presentation it was mentioned as 30860.69 sq.m and 129026.85 sq.m respectively. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation &amp; plans submitted are taken on the record.</p>		
<b>DECISION OF SEAC</b>		

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary  
 SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20,  
 2017**

**Page 47  
 of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph  
 (Chairman SEAC-II)**




**SEAC-II Meeting****SEAC Meeting number: 52 Meeting Date April 20, 2017****Subject:** Environment Clearance for Amendment in EC for Residential Project**General Information:**

1.Name of Project	Modern India Ltd.
2.Type of institution	Private
3.Name of Project Proponent	V. K. Jatia
4.Name of Consultant	Dr. D. A. Patil; Mahabal Enviro Engineers Pvt. Ltd.
5.Type of project	Housing Project
6.New project/expansion in existing project/modernization/diversification in existing project	Amendment in EC for Residential Project
7.If expansion/diversification, whether environmental clearance has been obtained for existing project	Environmental Clearance received vide letter No. SEAC-2015/CR-229/TC-1 dt. 31.12.2015
8.Location of the project	Sub Plot 'D' Bearing C. S. No. 7/1895, Byculla Division, Keshavrao Khadye Marg, Mahalaxmi Mumbai
9.Taluka	Mumbai
10.Village	Byculla Division
11.Area of the project	Municipal Corporation of Greater Mumbai (MCGM)
12.IOD/IOA/Concession/Plan Approval Number	IOD received vide letter no. EB/6794/E/A dt. 27.06.2016
	<b>IOD/IOA/Concession/Plan Approval Number:</b> IOD received vide letter no. EB/6794/E/A dt. 27.06.2016
	<b>Approved Built-up Area:</b> 18447.23
13.Note on the initiated work (If applicable)	No work started
14.LOI / NOC / IOD from MHADA/ Other approvals (If applicable)	IOD received vide letter no. EB/6794/E/A dt. 27.06.2016
15.Total Plot Area (sq. m.)	14,301.11
16.Deductions	1,699.12
17.Net Plot area	12,601.99
18.Proposed Built-up Area (FSI & Non-FSI)	a) FSI area (sq. m.): 35,168.23
	b) Non FSI area (sq. m.): 50,171.24
	c) Total BUA area (sq. m.): 85,339.47
19.Total ground coverage (m2)	3,844.77
20.Ground-coverage Percentage (%) (Note: Percentage of plot not open to sky)	27%
21.Estimated cost of the project	4550000000

**22.Number of buildings & its configuration**

Serial number	Building Name & number	Number of floors	Height of the building (Mtrs)
1	Building No. 1	3 B + Gr + 5P + St + 49 Floors + 3 Fire check floors + 3 MEP floors	218.60 m
23.Number of tenants and shops	91 Nos.		
24.Number of expected residents / users	455 Nos		
25.Tenant density per hectare	-		
26.Height of the building(s)			
27.Right of way (Width of the road from the nearest fire station to the proposed building(s))	42.6 m wide Keshavrao Khade Marg		

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 49 of 56**

  
**Johny Joseph**  
 Shri. Johny Joseph  
 (Chairman SEAC-II)

28. Turning radius for easy access of fire tender movement from all around the building excluding the width for the plantation	9 m
29. Existing structure (s) if any	Yes
30. Details of the demolition with disposal (If applicable)	The existing structure will be demolished. The demolition waste will be disposed as per the Construction and Demolition and Desilting Waste (Management and Disposal) Rules 2016.

### 31. Production Details


Serial Number	Product	Existing (MT/M)	Proposed (MT/M)	Total (MT/M)
1	Not applicable	Not applicable	Not applicable	Not applicable

### 32. Total Water Requirement

Dry season:	Source of water	MCGM
	Fresh water (CMD):	41
	Recycled water - Flushing (CMD):	20
	Recycled water - Gardening (CMD):	16
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	67
	Fire fighting - Underground water tank (CMD):	450
	Fire fighting - Overhead water tank (CMD):	60
	Excess treated water	21
Wet season:	Source of water	MCGM
	Fresh water (CMD):	24
	Recycled water - Flushing (CMD):	20
	Recycled water - Gardening (CMD):	-
	Swimming pool make up (Cum):	6
	Total Water Requirement (CMD) :	67
	Fire fighting - Underground water tank (CMD):	450
	Fire fighting - Overhead water tank (CMD):	60
	Excess treated water	37
Details of Swimming pool (If any)	NA	

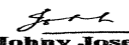
### 33. Details of Total water consumed

Particulars	Consumption (CMD)	Loss (CMD)	Effluent (CMD)
-------------	-------------------	------------	----------------

  
 (Dr. B.N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N. Patil (Secretary SEAC-II)**

SEAC Meeting No: 52 Meeting Date: April 20, 2017

Page 50  
of 56

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

Water Requirement	Existing	Proposed	Total	Existing	Proposed	Total	Existing	Proposed	Total
Domestic	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>34. Rain Water Harvesting (RWH)</b>	<b>Level of the Ground water table:</b>		3-4 m						
	<b>Size and no of RWH tank(s) and Quantity:</b>		Two RWH tanks with total capacity: 100 m <sup>3</sup>						
	<b>Location of the RWH tank(s):</b>		Basement						
	<b>Quantity of recharge pits:</b>		-						
	<b>Size of recharge pits :</b>		-						
	<b>Budgetary allocation (Capital cost) :</b>		15 Lakh						
	<b>Budgetary allocation (O &amp; M cost) :</b>		2 Lakh/yr						
	<b>Details of UGT tanks if any :</b>		Domestic Tank: 41 KLD; Flushing Tank: 21 KLD						
<b>35. Storm water drainage</b>	<b>Natural water drainage pattern:</b>		Flowing towards municipal drains						
	<b>Quantity of storm water:</b>		1310 m <sup>3</sup> /hr						
	<b>Size of SWD:</b>		0.45 x 0.6 m						
<b>Sewage and Waste water</b>	<b>Sewage generation in KLD:</b>		57 KLD						
	<b>STP technology:</b>		MBBR						
	<b>Capacity of STP (CMD):</b>		One STP will be provided with capacity of 60 m <sup>3</sup> /day						
	<b>Location &amp; area of the STP:</b>		Basement						
	<b>Budgetary allocation (Capital cost):</b>		20 Lakh						
	<b>Budgetary allocation (O &amp; M cost):</b>		2.5 Lakh/yr						
<b>36. Solid waste Management</b>									
<b>Waste generation in the Pre Construction and Construction phase:</b>	<b>Waste generation:</b>		Construction debris: 1670 m <sup>3</sup>						
	<b>Disposal of the construction waste debris:</b>		The construction debris will be utilized at site for Road Paving and Plinth filing						
<b>Waste generation in the operation Phase:</b>	<b>Dry waste:</b>		91/kg/d						
	<b>Wet waste:</b>		137 kg/d						
	<b>Hazardous waste:</b>		not applicable						
	<b>Biomedical waste (If applicable):</b>		not applicable						
	<b>STP Sludge (Dry sludge):</b>		0.6 m <sup>3</sup>						
	<b>Others if any:</b>		not applicable						



<b>Mode of Disposal of waste:</b>	<b>Dry waste:</b>	Dry garbage will be segregated & disposed off to recyclers
	<b>Wet waste:</b>	Wet garbage will be composted using Mechanical Composting Technology and used as organic manure for landscaping.
	<b>Hazardous waste:</b>	not applicable
	<b>Biomedical waste (If applicable):</b>	not applicable
	<b>STP Sludge (Dry sludge):</b>	Sludge use as manure for gardening
	<b>Others if any:</b>	not applicable
<b>Area requirement:</b>	<b>Location(s):</b>	Ground
	<b>Area for the storage of waste &amp; other material:</b>	50 m <sup>2</sup>
	<b>Area for machinery:</b>	20 m <sup>2</sup>
<b>Budgetary allocation (Capital cost and O&amp;M cost):</b>	<b>Capital cost:</b>	25 Lakh
	<b>O &amp; M cost:</b>	3 Lakh/yr

### 37. Effluent Characteristics

Serial Number	Parameters	Unit	Inlet Effluent Characteristics	Outlet Effluent Characteristics	Effluent discharge standards (MPCB)
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Amount of effluent generation (CMD):		Not applicable			
Capacity of the ETP:		Not applicable			
Amount of treated effluent recycled :		Not applicable			
Amount of water send to the CETP:		Not applicable			
Membership of CETP (if require):		Not applicable			
Note on ETP technology to be used		Not applicable			
Disposal of the ETP sludge		Not applicable			

### 38. Hazardous Waste Details

Serial Number	Description	Cat	UOM	Existing	Proposed	Total	Method of Disposal
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 39. Stacks emission Details

Serial Number	Section & units	Fuel Used with Quantity	Stack No.	Height from ground level (m)	Internal diameter (m)	Temp. of Exhaust Gases
1	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 40. Details of Fuel to be used

Serial Number	Type of Fuel	Existing	Proposed	Total
1	Not applicable	Not applicable	Not applicable	Not applicable
41. Source of Fuel		Not applicable		
42. Mode of Transportation of fuel to site		Not applicable		



<b>43.Green Belt Development</b>	<b>Total RG area :</b>	3150.50 m2
	<b>No of trees to be cut :</b>	7 Nos
	<b>Number of trees to be planted :</b>	186 Nos
	<b>List of proposed native trees :</b>	as below
	<b>Timeline for completion of plantation :</b>	2 Years

#### 44.Number and list of trees species to be planted in the ground

Serial Number	Name of the plant	Common Name	Quantity	Characteristics & ecological importance
1	Alstonia scholaris	Satvin	54	Shady tree
2	Bauhinia purpurea	Kanchan	33	Shady tree
3	Mimusops elegni	Bakul	33	Shady tree, small white fragrant Flowers
4	Plumeria alba	Champa	33	Medium sized evergreen tree, frafrant flowers
5	Michelia champa	Sonchampa	33	Medium sized decicuous tree

#### 45.Total quantity of plants on ground

#### 46.Number and list of shrubs and bushes species to be planted in the podium RG:

Serial Number	Name	C/C Distance	Area m2
1	-	-	-

#### 47.Energy

<b>Power requirement:</b>	<b>Source of power supply :</b>	TATA/BEST
	<b>During Construction Phase: (Demand Load)</b>	500 kVA
	<b>DG set as Power back-up during construction phase</b>	500 kVA
	<b>During Operation phase (Connected load):</b>	5.3 MW
	<b>During Operation phase (Demand load):</b>	2.2 MW
	<b>Transformer:</b>	1600 x 2 Nos
	<b>DG set as Power back-up during operation phase:</b>	1600 kVA x 2 Nos.
	<b>Fuel used:</b>	HSD
	<b>Details of high tension line passing through the plot if any:</b>	No


#### 48.Energy saving by non-conventional method:

- i?§ Natural shading through elevation features to minimize heat gain
- i?§ Solar light to garden and road area
- i?§ Solar hot water for residential building
- i?§ LED in common area and CFL Lights in habitable floor

#### 49.Detail calculations & % of saving:

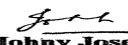
Serial Number	Energy Conservation Measures	Saving %
1	Total energy saving	22.2%

#### 50.Details of pollution control Systems

  
 (Dr. B. N. Patil)  
 Member Secretary  
 SEAC (MMR)  
**DR. B.N.Patil (Secretary SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20, 2017**

**Page 53 of 56**

  
**Johnny Joseph**  
 Shri. Johnny Joseph  
 (Chairman SEAC-II)

Source	Existing pollution control system	Proposed to be installed
Not applicable	Not applicable	Not applicable
Budgetary allocation (Capital cost and O&M cost):	Capital cost:	30 Lakh
	O & M cost:	7 Lakh/yr

## 51.Environmental Management plan Budgetary Allocation

### a) Construction phase (with Break-up):

Serial Number	Attributes	Parameter	Total Cost per annum (Rs. In Lacs)
1	Water spray for dust suppression	-	3.5
2	Site sanitation and Potable Water Supply to Labour	-	5
3	Environmental Monitoring	(As per the CPCB guidelines through MoEF Approved laboratories for Ambient Air-RSPM, PM2.5, SO2, NOx, CO), Noise: Leq day time and Night Time)	4
4	Health check-up & first aid	-	3
5	Safety Personal Protective Equipment	(Helmets, Safety Shoes, Safety Belt, Googles, Hand Gloves etc.)	4.5
6	Traffic Management	(Sign Boards, Persons at entry exit and Parking area)	2.5
7	Safety nets	-	20
8	Tyre cleaning and Vehicle maintenance	-	1.5
9	Safety Training to Workers (Twice in Year), Safety Officer	-	3.5
10	Disinfection	-	3

### b) Operation Phase (with Break-up):

Serial Number	Component	Description	Capital cost Rs. In Lacs	Operational and Maintenance cost (Rs. in Lacs/yr)
1	STP (Tertiary)	Continuous O & M Environment Monitoring; Monthly, STP outlet water quality for pH, BOD, COD, SS and O & G	20	2.5
2	Solar System	Weekly	30	7
3	Rainwater harvesting	During rainy season (cleaning of UG tanks and filtration units before rainy season)	15	2.0
4	Solid Waste Composting plant	Continuous O & M Environment Monitoring; Monthly to assess the compost quality	25	3.0
5	Landscape	Daily	40	5

## 51.Storage of chemicals (inflammable/explosive/hazardous/toxic substances)

Description	Status	Location	Storage Capacity in MT	Maximum Quantity of Storage at any point of time in MT	Consumption / Month in MT	Source of Supply	Means of transportation
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### 52.Any Other Information

No Information Available

### 53.Traffic Management

	Nos. of the junction to the main road & design of confluence:	Plot directly accessible from 42.60 m wide K K. Marg
Parking details:	Number and area of basement:	3 Basements with 10,873.35 m <sup>2</sup>
	Number and area of podia:	6 Podium with 18,791.85 m <sup>2</sup>
	Total Parking area:	18,676.41 m <sup>2</sup>
	Area per car:	-
	Area per car:	-
	Number of 2-Wheelers as approved by competent authority:	72
	Number of 4-Wheelers as approved by competent authority:	285
	Public Transport:	-
	Width of all Internal roads (m):	9 m
	CRZ/ RRZ clearance obtain, if any:	-
	Distance from Protected Areas / Critically Polluted areas / Eco-sensitive areas/ inter-State boundaries	-
	Category as per schedule of EIA Notification sheet	8 (a)
	Court cases pending if any	Yes. Bombay City Civil Court
	Other Relevant Informations	i) Suit No. 104240/2010 (prior to transfer H.C Suit No. 2/93/2010) between Modern India Ltd & Belveder Court Condominium and others ii) S. No. 104754/ 2011 (prior to transfer H.C Suit No. 2909/2011) Mr. Arun Bewoor & (40) Ors Vs. Modern India & (24) Ors. Both the litigations are pending for hearing. No interim stay or relief has been granted by the court in any of the above matters till date
	Have you previously submitted Application online on MOEF Website.	Yes
	Date of online submission	15-09-2016

### Brief information of the project by SEAC

 (Dr. B. N. Patil) Member Secretary SEAC (MMR) <b>DR. B.N.Patil (Secretary SEAC-II)</b>	<b>SEAC Meeting No: 52 Meeting Date: April 20, 2017</b>	<b>Page 55 of 56</b>	 <b>Johnny Joseph</b> <b>Shri. Johnny Joseph (Chairman SEAC-II)</b>
--	---	----------------------	--

Representative of PP, Mr. Mudit Jatia & Architect Mr. Prashant Marlekar were present during the meeting along with environmental consultant M/s D.A.Patil.

PP informed that they received earlier Ec for the project dated 31/12/2015. PP informed that proposal is for expansion due to change in potential of FSI from 1.33 to 1.33+ 0.67 TDR and 35% fungible. It was also informed that no construction started on the site as per the EC dated 31/12/2015. Further, PP stated that the plans are approved for 1.33 only and TDR is yet to be purchased by PP and premium for fungible FSI is also yet to be paid by PP.

The project proposal was discussed on the basis of presentation made and documents submitted by the proponent. All issues related to environment, including air, water, land, soil, ecology and biodiversity and social aspects were discussed. PP stated that total plot area is 14301.11 m<sup>2</sup> & total construction area (FSI+Non FSI) of the project is 85339.47m<sup>2</sup>. Committee noted that the project is under 8a (B2) category of EIA Notification, 2006. Consolidated statements, form 1, 1A, presentation & plans submitted are taken on the record.

Committee observed Changes proposed are 1 Building foot print changed, number of podium levels reduced from 8 to 5, now 3 basements proposed, and habitable floors increased from 38 to 49 floors, thereby increase of 218.6 m total height of the building. STP capacity raised to 60 cubic meter from 40 cubic meter and treatment capacity raised from 159 to 228 kg/ day.

## DECISION OF SEAC

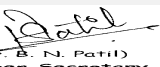
***In view of following, the proposal is deferred and shall be considered further after the compliance of above observations submitted for reconsideration.***

### Specific Conditions by SEAC:

- 1) It is observed that PP has not mentioned proposed changes / amendments in the CS/ application. PP to corrects the details and resubmit again.
- 2) PP to increase parking up to 285 as per the DCR requirement and per car area should be as per NBC norms.
- 3) PP to submit HRC permission for revised height of the building and aviation authority clearance, if applicable.
- 4) PP to ensure that RG required is as per the norms and should be on Mother Earth.
- 5) PP to submit wind analysis, light and ventilation analysis and measures to reduce heat island effect, shadow analysis reports & also upload on website.
- 6) PP to submit acknowledgment for submission of duly signed & stamped plans & also upload on website.
- 7) PP to upload the approved plans of the project/ plans submitted for approval to the local body, Disaster Management Plan, Environmental Management Plan, traffic study and other above said compliances etc on the website of ec.mpcb.in
- 8) PP, if applicable, to leave clear cut side margin of 6 m from the boundary of the plot and open space and non-paved RG area should be on ground as per the orders of Hon'ble Supreme Court (Civil Appeal No. 11150 of 2013 and SLP (Civil) No. 33402/2012) dated 17th December 2013.

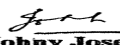
## FINAL RECOMMENDATION

SEAC-II decided to defer the proposal till PP submits the additional information as per above conditions within 30 days

  
(Dr. B. N. Patil)  
Member Secretary  
SEAC (MMR)  
**DR. B.N.Patil (Secretary  
SEAC-II)**

**SEAC Meeting No: 52 Meeting Date: April 20,  
2017**

**Page 56  
of 56**

  
**Johnny Joseph**  
**Shri. Johnny Joseph  
(Chairman SEAC-II)**